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	APPLICANT: Lipton and Okamoto	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: June 5, 2001	GROUP 1646

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U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
Amz	5,843,780	12/01/98	Thomson	435	363	01/18/96
Amz	6,153,591	11/28/00	Cai et al.	514	19	03/16/99
Amz	6,200,969	03/13/01	Fritz et al.	514	214	09/12/97

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS- LATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

Amz	GenBank Accession No.: NM_005587 - Homo sapiens MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A) (MEF2A) mRNA.
↓	GenBank Accession No.: NM_005919 - Homo sapiens MADS box transcription enhancer factor 2, polypeptide B (myocyte enhancer factor 2B) (MEF2B) mRNA.
Amz	GenBank Accession No.: L08895 - Homo sapiens MADS/MEF2-family transcription factor (MEF2C) mRNA, complete cds.

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Form PTO 1446 PATENT & TRADEMARK OFFICE	US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4714	SERIAL NO. 09/876,187
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Am2	GenBank Accession No.: NM_005920 - Homo sapiens MADS box transcription enhancer factor 2, polypeptide D (myocyte enhancer factor 2D) (MEF2D) mRNA.
	Arsenijevic and Weiss, "Insulin-Like Growth Factor-I Is a Differentiation Factor for Postmitotic CNS Stem Cell-Derived Neuronal Precursors: Distinct Actions from Those of Brain-Derived Neurotrophic Factor," <u>Journal of Neuroscience</u> 18:2118-2128 (1998)
	Bain et al., "From Embryonal Carcinoma Cells to Neurons: The P19 Pathway," <u>Bioessays</u> 16:343-348 (1994)
	Bain et al., "Embryonic Stem Cells Express Neuronal Properties in Vitro," <u>Developmental Biology</u> 168:342-357 (1995)
	Bhatia et al., "A newly discovered class of human hematopoietic cells with SCID-repopulating activity," <u>Nature Medicine</u> 4:1038-1045 (1998)
	Black et al., "Cooperative transcriptional activation by the neurogenic basic helix-loop-helix protein MASH1 and members of the myocyte enhancer factor-2 (MEF2) family," <u>J. Biol. Chem.</u> 271:26659-26663 (1996)
	Black and Olson, "Transcriptional Control of Muscle Development by Myocyte Enhancer Factor-2 (MEF2) Proteins," <u>Annual Rev. Cell Dev. Biol.</u> 14:167-196 (1998)
↓	Blaschke et al., "Widespread programmed cell death in proliferative and postmitotic regions of the fetal cerebral cortex," <u>Development</u> 122:1165-1174 (1996)
Am2	Brand, "Molecules in Focus," <u>Int. J. Biochem. Cell Biol.</u> 29:1467-1470 (1997)

EXAMINER <i>Anne-Marie Jalk</i>	DATE CONSIDERED 4/3/03
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Ama	Breitbart et al., "A fourth human MEF2 transcription factor, hMEF2D, is an early marker of the myogenic lineage," <u>Development</u> 118:1095-1106 (1993)
	Brooker et al., "Endogenous IGF-1 Regulates the neuronal Differentiation of Adult Stem Cells," <u>J. Neurosci. Res.</u> 59:332-341 (2000)
	Clem et al., "Prevention of apoptosis by a baculovirus gene during infection of insect cells," <u>Science</u> 254:1388-1390 (1991)
	D'Amour and Gage, "New tools for human developmental biology," <u>Nature Biotechnology</u> 18:381-382 (2000)
	Deveraux and Reed, "IAP family proteins - suppressors of apoptosis," <u>Genes & Development</u> 13:239-252 (1999)
	Dunnett et al., "Neuronal cell transplantation for Parkinson's and Huntington's diseases," <u>British Medical Bulletin</u> 53:757-776 (1997)
	Ekert et al., "Caspase Inhibitors," <u>Cell Death and Differentiation</u> 6:1081-1086 (1999)
	English et al., "Contribution of the ERK5/MEK5 Pathway to Ras/Raf Signaling and Growth Control," <u>J. Biol. Chem.</u> 274:31588-31592 (1999)
↓	Fujimoto et al., "Identification of genes differentially expressed by putrescine in HepG2 hepatoblastoma cells," <u>Hepatology Research</u> 20:207-215 (2001)
Ama	Galpern, et al., "Xenotransplantation of porcine fetal ventral mesencephalon in rat model of Parkinson's disease: Functional recovery and graft morphology," <u>Exp. Neurol.</u> 140:1-13 (1996)

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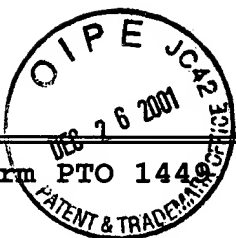
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Am2	Garcia-Calvo et al., "Inhibition of Human Caspases by Peptide-based and Macromolecular Inhibitors," <u>J. Biol. Chem.</u> 273:32608-32613 (1998)
	Ghosh and Greenberg, "Distinct Roles for bFGF and NT-3 in the Regulation of Cortical Neurogenesis," <u>Neuron</u> 15:89-103 (1995)
	Ghosh et al., "Requirement for BDNF in Activity-Dependent Survival of Cortical Neurons," <u>Science</u> 263:1618-1623 (1994)
	Han et al., "Activation of the transcription factor MEF2C by the MAP kinase p38 in inflammation," <u>Nature</u> 386:296-299 (1997)
	Jacks et al., "Effects of an Rb mutation in the mouse," <u>Nature</u> 359:295-300 (1992)
	Jan and Jan, "HLH proteins, fly neurogenesis, and vertebrate myogenesis," <u>Cell</u> 75:827-830 (1993)
	Jo et al., "Differential display analysis of gene expression altered by ras oncogene," <u>Methods Enzymol.</u> 332:233-244 (2001)
	Johe et al., "Single factors direct the differentiation of stem cells from the fetal and adult central nervous system," <u>Genes and Development</u> 10:3129-3140 (1996)
	Kato et al., "BMK1/ERK5 regulates serum-induced early gene expression through transcription factor MEF2C," <u>EMBO J.</u> 16:7054-7066 (1997)
↓	Kato et al., "Bmk1/Erk5 is required for cell proliferation induced by epidermal growth factor," <u>Nature</u> 395:713-716 (1998)
Am2	Kaushal et al., "Activation of the myogenic lineage by MEF2A, a factor that induces and cooperates with MyoD," <u>Science</u> 266:1236-1240 (1994)

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Am2	Khanna et al., "Metastasis-associated differences in gene expression in a murine model of osteosarcoma," <u>Cancer Res.</u> 61:3750-3759 (2001)
	Kuida et al., "Decreased apoptosis in the brain and premature lethality in CPP32-deficient mice," <u>Nature</u> 384:368-372 (1996)
	Lee et al., "Gene expression profile of aging and its retardation by caloric restriction," <u>Science</u> 285:1390-1393 (1999)
	Lee et al., "Potent and Selective Nonpeptide Inhibitors of Caspases 3 and 7 Inhibit Apoptosis and Maintain Cell Functionality," <u>J. Biol. Chem.</u> 275:16007-16014 (2000)
	Lee et al., "Myocyte-specific enhancer factor 2 and thyroid hormone receptor associate and synergistically activate the α -cardiac myosin heavy-chain gene," <u>Mol. Cell. Biol.</u> 17:2745-2755 (1997)
	Lee, "Basic helix-loop-helix genes in neural development," <u>Current Opinion in Neurobiology</u> 7:13-20 (1997)
	Leifer et al., "MEF2C, a MADS/MEF2-family transcription factor expressed in a laminar distribution in cerebral cortex," <u>Proc. Natl. Acad. Sci. USA</u> 90:1546-1550 (1993)
✓	Leifer et al., "Myocyte-specific enhancer binding factor 2C expression in human brain development," <u>Neuroscience</u> 63:1067-1079 (1994)
Am2	Lilly et al., "Requirement of MADS domain transcription factor D-MEF2 for muscle formation in <i>Drosophila</i> ," <u>Science</u> 267:688-693 (1995)

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Am2	Lilly et al., "D-MEF2: a MADS box transcription factor expressed in differentiating mesoderm and muscle cell lineages during <i>Drosophila</i> embryogenesis," <u>Proc. Natl. Acad. Sci. USA</u> 91:5662-5666 (1994)
	Lin et al., "The expression of MEF2 genes is implicated in CNS neuronal differentiation," <u>Mol. Brain. Res.</u> 42:307-316 (1996)
	Lin et al., "Control of mouse cardiac morphogenesis and myogenesis by transcription factor MEF2C," <u>Science</u> 276:1404-1407 (1997)
	Lipton and Rosenberg, "Excitatory Amino Acids as a Final Common Pathway for Neurologic Disorders," <u>New England Journal of Medicine</u> 330:613-622 (1994)
	Lu et al., "Signal-dependent activation of the MEF2 transcription factor by dissociation from histone deacetylases," <u>Proc. Natl. Acad. Sci., USA</u> 97:4070-4075 (2000)
	Lyons et al., "Expression of <i>mef2</i> genes in the mouse central nervous system suggests a role in neuronal maturation," <u>J. Neurosci.</u> 15:5727-5738 (1995)
	Mao and Nadal-Ginard, "Functional and physical interactions between mammalian achaete-scute homolog 1 and myocyte enhancer factor 2A," <u>J. Biol. Chem.</u> 271:14371-14375 (1996)
✓	Mao et al., "Neuronal Activity-Dependent Cell Survival Mediated by Transcription Factor MEF2," <u>Science</u> 286:785-790 (1999)
Am2	Martin et al., "Myocyte enhancer factor (MEF) 2C: A tissue-restricted member of the MEF-2 family of transcription factors," <u>Proc. Natl. Acad. Sci. USA</u> 90:5282-5286 (1993)

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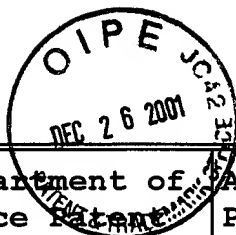
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Ama	•	Martin et al., "A Mef2 gene that generates a muscle-specific isoform via alternative mRNA splicing," <u>Mol. Cell. Biol.</u> 14:1647-1656 (1994)
↓	•	Matsumoto et al., "Platelet-derived growth factor activates p38 mitogen-activated protein kinase through a Ras-dependent pathway that is important for actin reorganization and cell migration," <u>J. Biol. Chem.</u> 274:13954-13960 (1999)
↓	•	McBurney, "P19 embryonal carcinoma cells," <u>Int. J. Dev. Biol.</u> 37:135-140 (1993)
↓	•	McDermott et al., "hMEF2C gene encodes skeletal muscle- and brain-specific transcription factors," <u>Mol. Cell. Biol.</u> 13:2564-2577 (1993)
↓	•	McDonald et al., "Transplanted embryonic stem cells survive, differentiate and promote recovery in injured rat spinal cord," <u>Nature Medicine</u> 5:1410-1412 (1999)
↓	•	Mezey et al., "Turning Blood into Brain: Cells Bearing Neuronal Antigens Generated in Vivo from Bone Marrow," <u>Science</u> 290:1779-1782 (2000)
↓	•	Miraglia et al., "A Novel Five-Transmembrane Hematopoietic Stem Cell Antigen: Isolation, Characterization, and Molecular Cloning," <u>Blood</u> 90:5013-5021 (1997)
↓	•	Miyoshi et al., "Transduction of Human CD34+ Cells That Mediate Long-Term Engraftment of NOD/SCID Mice by HIV Vectors," <u>Science</u> 283:682-686 (1999)
Ama	•	Molkentin et al., "Cooperative activation of muscle gene expression by MEF2 and myogenic bHLH proteins," <u>Cell</u> 83:1125-1136 (1995)

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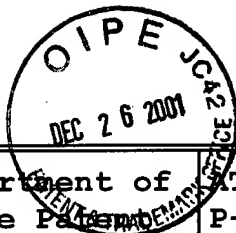
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Ama	•	Molkentin et al., "MEF2B Is a Potent Transactivator Expressed in Early Myogenic Lineages," <u>Mol. Cell. Biol.</u> 16:3814-3824 (1996)
	•	Molkentin et al., "Mutational analysis of the DNA binding, dimerization, and transcriptional activation domains of MEF2C," <u>Mol. Cell. Biol.</u> 16:2627-2636 (1996)
	•	Mukasa et al., "Wortmannin enhances CPP32-like activity during neuronal differentiation of P19 embryonal carcinoma cells induced by retinoic acid," <u>Biochem. Biophys. Res. Commun.</u> 232:192-197 (1997)
	•	Naya and Olson, "MEF2: a transcriptional target for signaling pathways controlling skeletal muscle growth and differentiation," <u>Current Opinion in Cell Biology</u> 11:683-688 (1999)
	•	New and Han, "The p38 MAP Kinase Pathway and Its Biological Function," <u>Trends Cardiovasc. Med.</u> 8:220-229 (1998)
	•	Nguyen et al., "D-mef2: a <i>Drosophila</i> mesoderm-specific MADS box-containing gene with a biphasic expression profile during embryogenesis," <u>Proc. Natl. Acad. Sci. USA</u> 91:7520-7524 (1994)
	•	Nicholson, "From bench to clinic with apoptosis-based therapeutic agents," <u>Nature</u> 407:810-816 (2000)
	•	Okamoto et al., "Antiapoptotic role of the p38 mitogen-activated protein kinase-myocyte enhancer factor 2 transcription factor pathway during neuronal differentiation," <u>Proc. Natl. Acad. Sci., USA</u> 97:7561-7566 (2000)
Ama	•	Olson et al., "Regulation of muscle differentiation by the MEF2 family of MADS box transcription factors," <u>Dev. Biol.</u> 172:2-14 (1995)

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DEC 27 2001
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Ama	Ornatsky et al., "A dominant-negative form of transcription factor MEF2 inhibits myogenesis," <u>J. Biol. Chem.</u> 272:33271-33278 (1997)
	Pollock and Triesman, "Human SRF-related proteins: DNA-binding properties and potential regulatory targets," <u>Genes & Dev.</u> 5:2327-2341 (1991)
	Reubinoff et al., "Embryonic stem cell lines from human blastocysts: somatic differentiation in vitro," <u>Nature Biotechnology</u> 18:399-404 (2000)
	Robert et al., "Differential display and suppressive subtractive hybridization used to identify granulosa cell messenger RNA associated with bovine oocyte developmental competence," <u>Biol. Reprod.</u> 64:1812-1820 (2001)
	Skerjanc and Wilton, "Myocyte enhancer factor 2C upregulates MASH-1 expression and induces neurogenesis in P19 cells," <u>FEBS Letters</u> 472:53-56 (2000)
	Slack et al., "Cells differentiating into neuroectoderm undergo apoptosis in the absence of functional retinoblastoma family proteins," <u>J. Cell Biol.</u> 129:779-788 (1995)
	Staeger et al., "Two novel genes <i>FIND</i> and <i>LIND</i> differentially expressed in deactivated and <i>Listeria</i> -infected human macrophages," <u>Immunogenetics</u> 53:105-113 (2001)
	Stemple and Mahanthappa, "Neural stem cells are blasting off," <u>Neuron</u> 18:1-4 (1997)
	Treisman, "Inside the MADS box," <u>Nature</u> 376:468-469 (1995)
Ama	Tsunoda et al., "Upregulated expression of angiogenesis genes and down regulation of cell cycle genes in human colorectal cancer tissue determined by cDNA macroarray," <u>Anticancer Res.</u> 21:137-143 (2001)

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RECEIVED
DEC 27 2001
TECH CENTER 1600/2900

Ama	Uchida et al., "Direct isolation of human central nervous system stem cells," <u>Proc. Natl. Acad. Sci., USA</u> 97:14720-14725 (2000)
	Watson et al., "Phosphorylation of c-Jun is necessary for apoptosis induced by survival signal withdrawal in cerebellar granule neurons," <u>J. Neurosci.</u> 18:751-762 (1998)
	Williams et al., "A PDGF-Regulated Immediate Early Gene Response Initiates Neuronal Differentiation in Ventricular Zone Progenitor Cells," <u>Neuron</u> 18:553-562 (1997)
	Wobus et al., "Embryonic Stem Cells and Nuclear Transfer Strategies," <u>Cells Tissues Organs</u> 166:1-5 (2000)
	Yang et al., "Targeting of p38 mitogen-activated protein kinases to MEF2 transcription factors," <u>Mol. Cell. Biol.</u> 19:4028-4038 (1999)
	Yin et al., "AC133, a Novel Marker for Human Hematopoietic Stem and Progenitor Cells," <u>Blood</u> 90:5002-5012 (1997)
	Youn et al., "Apoptosis of T Cells Mediated by Ca ²⁺ -Induced Release of the Transcription Factor MEF2," <u>Science</u> 286:790-793 (1999)
	Yu et al., "Human myocyte-specific enhancer factor 2 comprises a group of tissue-restricted MADS box transcription factors," <u>Genes & Dev.</u> 6:1783-1798 (1992)
✓	Zhao et al., "Regulation of the MEF2 family of transcription factors by p38," <u>Mol. Cell. Biol.</u> 19:21-30 (1999)
Ama	Zirlinger et al., "Amygdala-enriched genes identified by microarray technology are restricted to specific amygdaloid subnuclei," <u>Proc. Natl. Acad. Sci., USA</u> 98:5270-5275 (2001)

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